WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Thursday, April 12, 2007

Hide?	<u>Set</u> Name	Query	<u>Hit</u> Coùnt
	DB = B	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ	
L.		L84 and ((bore) same (parallel))	1
Г <u></u> .		L83 and ((open or opening or opened or gap or space or entrance or entry or access or insert\$4) same (bore or lower or bottom or below))	11
<u> </u>	L83	L82 and (((solenoid\$4 or saddle) with (coil or winding or probe or antenna)) same (perpendicular\$3 or transverse or orthogonal\$4))	12
, F	L82	L81 and (((solenoid\$4 or saddle) same ((feed\$3 or fed or suppl\$4 or input\$4 or in-put\$4 or insert\$4) with (cable or channel\$3 or "line" or tub\$3))) same ((convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) same (belt or "line"))) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous)))	15
<u> </u>	L81	((324/300-322.ccls.) or (600/407-435.ccls.))	17745
Γ.	L80	L79 and ((convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) with (belt or "line"))) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous) with (volume or "ml"))	2
	L79	175 and (plug or socket\$4 or stopper)	6
ا	L78	L77 and (((solenoid\$4 or saddle) same ((feed\$3 or fed or suppl\$4 or input\$4 or in-put\$4 or insert\$4) with (cable or channel\$3 or "line" or tub\$3))) same ((convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) same (belt or "line"))) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous)))	1
Γ	L77	L76 and ((convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) same (belt or "line"))) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous))	. 6
Г	L76	L75 and ((solenoid\$4 or saddle) same ((feed\$3 or fed or suppl\$4 or input\$4 or in-put\$4 or insert\$4) with (cable or channel\$3 or "line" or tub\$3)))	9
Γ.	L75	L74 and (((solenoid\$4 or saddle) with (coil or winding or probe or antenna)) same (perpendicular\$3 or transverse or orthogonal\$4))	15
Γ.:	L74	L73 and (solenoid\$4 or saddle)	143
	L73	L72 and (perpendicular\$3 or transverse or orthogonal\$4)	453

<u> </u>	L72	L71 and (parallel)	539
	L71	L70 and (bore)	677
Γ.	L70	L60 and ((open or opening or opened or gap or space or entrance or entry or access or insert\$4) same (bore or lower or bottom or below))	2359
Г	L69	L46 and ((open or opening or opened or gap or space or entrance or entry or access or insert\$4) same (bore or lower or bottom or below))	1
Γ.,	L68	L61 and l46	0
Γ.	L67	L66 and (((solenoid\$4 or saddle) with (coil or winding or probe or antenna)) same (perpendicular\$3 or transverse or orthogonal\$4))	11
Γ	L66	L65 and ((solenoid\$4 or saddle) with (coil or winding or probe or antenna))	49
Γ	L65	L64 and (solenoid\$4 or saddle)	127
Γ.	L64	L63 and (perpendicular\$3 or transverse or orthogonal\$4)	376
Г	L63	L62 and (parallel)	429
7.00	L62	L61 and (bore)	511
	L61	L60 and ((open or opening or opened or gap or space or entrance or entry or access) same (lower or bottom or below))	1981
I	L60	L4 and ((feed\$3 or fed or suppl\$4 or input\$4 or in-put\$4 or insert\$4) with (cable or channel\$3 or "line" or tub\$3))	3395
<u> </u>	L59	L58 and ((solenoid\$4 or saddle) with (coil or winding or probe or antenna))	20
Г	L58	L57 and (plug with socket\$4)	98
Γ	L57	L56 and ((solenoid\$4 or saddle or coil or winding or probe or antenna) with (exchang\$4 or exchangeable or interchang\$4 or interchangeable or interchang\$4 or replace\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable))	2385
Г	L56	L1 and (plug or socket\$4)	17237
Г	L55	5146166	16
	DB =	PGPB, USPT; PLUR=YES; OP=ADJ	
П	L54	('5146166')![pn]	1
	DB=	USPT,PGPB; PLUR=YES; OP=ADJ	
	L53	('3911355' '4088944' '4511841' '4581583' '4859949' '5146166' '5302900' '5517856' '6563317' '20020135372' '20020196022')![pn]	11
	DB =	PGPB, $USPT$, $USOC$, $EPAB$, $JPAB$, $DWPI$, $TDBD$; $PLUR = YES$; $OP = ADJ$	
Γ.	L52	L48 and (warden.in.)	1
<u>.</u>	L51	L50 and ((convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) with (belt or "line"))) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous) with (volume or "ml"))	10
Γ	L50	L49 and ((measur\$4 or measurement or examin\$4 or examination or investigation or interest or analysis or analyz\$4 or region or area or zone) with (volume or "ml"))	102
	•	L48 and ((solenoid\$4 or saddle or coil or winding or probe or antenna) with	

	L49	(exchang\$4 or exchangeable or interchang\$4 or interchangeable or interchang\$4 or inter-chang\$4 or replace\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable))	205
	L48	fetzner	346
<u> </u>	L47	L42 and (fetzner)	4
Γ	L46	L45 and ((solenoid\$4 or saddle) with (exchang\$4 or exchangeable or interchang\$4 or interchang\$4 or interchang\$4 or replac\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or detach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable))	. 1
	L45	L44 and (((measur\$4 or measurement or examin\$4 or examination or investigation or interest or analysis or analyz\$4 or region or area or zone) with (volume or "ml")) with (solenoid\$4 or saddle))	3
Г	L44	L43 and ((measur\$4 or measurement or examin\$4 or examination or investigation or interest or analysis or analyz\$4 or region or area or zone) with (volume or "ml"))	48
Γ	L43	L42 and (solenoid\$4 or saddle)	58
Γ.	L42	L41 and (measur\$4 or measurement or examin\$4 or examination or investigation or interest or analysis or analyz\$4 or region or area or zone)	674
Γ.	L41	L40 and ((convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) with (belt or "line"))) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous) with (volume or "ml"))	675
Γ	L40	L39 and (volume or "ml")	7403
	L39	L38 and (exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-chang\$4 or inter-chang\$4 or replace\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable)	8105
Γ.	L38	L37 and ((automatic\$4 or automat\$3) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous))	8128
Γ-	L37	L36 and (automatic\$4 or automat\$3)	22106
Γ,	L36	L35 and (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous)	51080
Γ.	L35	L2 and (convey\$4 or trasport\$4 or transportation or moving or moved or movable or move or bringing or brought or bring or driv\$4 or inject\$4 or insert\$4 ((production or assembly) with (belt or "line")))	52013
r <u> </u>	L34	L33 and ((solenoid\$4 or saddle) with (probe or coil or antenna or winding) with (exchang\$4 or exchangeable or interchang\$4 or interchangeable or interchang\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable))	7
<u></u>	L33	L32 and ((automatic\$4 or automat\$3) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous))	471

Г	L32	L31 and ((exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-change\$4 or inter-chang\$4 or replace\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable)with (plug or socket\$4))	1357
Γ.	L31	L30 and (plug or socket\$4)	5494
Γ.	L30	L29 and (exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-change\$4 or inter-chang\$4 or replace\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4 or chang\$4 or changeable)	42636
Г	L29	L28 and (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous)	43338
Γ	L28	L1 and (automatic\$4 or automat\$3)	44135
Γ	L27	L23 and ((solenoid\$4 or saddle) with (probe or coil or antenna or winding) with (head) with (exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-change\$4 or inter-chang\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4))	2
Γ.	L26	L25 and (((magnetic adj resonan\$2) or MRI or NMR) with (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous))	5
Γ.	L25	L24 and (sample or tissue or subject or object or patient or substance or target or specim\$2 or solid\$3 or liquid or gas\$2 or gaseous)	7
Γ	L24	L23 and ((solenoid\$4 or saddle) with (probe or coil or antenna or winding) with (exchang\$4 or exchangeable or interchang\$4 or interchangeable or interchang\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4))	7
Г	L23	L17 and ((exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-change\$4 or inter-chang\$4 or replace\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4) with (plug or socket\$4))	103
Γ	L22	L21 and (plug or socket\$4)	17
Γ.:	L21	L20 and (plug or socket\$4 or connect\$4)	81
Γ	L20	L19 and ((solenoid\$4 or saddle) with (probe or coil or antenna or winding) with (exchang\$4 or exchangeable or interchang\$4 or interchangeable or interchang\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4))	84
	L19	L18 and (solenoid\$4 or saddle)	477
Γ	L18	L17 and ((probe or coil or antenna or winding) with (exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-change\$4 or interchang\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4))	1891
Г	L17	L16 and (exchang\$4 or exchangeable or interchang\$4 or interchangeable or inter-change\$4 or inter-chang\$4 or replac\$4 or switch\$4 or detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or disconnect\$4)	2916
Г	L16	L3 and ((probe or coil or antenna or winding) with (head))	3134

Γ.	L15	L14 not L12	12
Γ	L14	L13 and ((solenoid\$4 or saddle) with (detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or individual\$2 or disconnect\$4))	38
Г	L13	L6 and ((plug or socket\$4 or connect\$4) with (detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or individual\$2 or disconnect\$4))	. 413
	L12	L11 and ((plug or socket\$4 or connect\$4) with (detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or individual\$2 or disconnect\$4))	26
Γ	L11	L10 and ((solenoid\$4 or saddle) with (detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or individual\$2 or disconnect\$4))	50
Γ	L10	L9 and (detach\$4 or remov\$4 or split\$4 or separat\$4 or de-tach\$4 or re-mov\$4 or individual\$2 or disconnect\$4)	439
Γ	L9	L7 and (plug or socket\$4 or connect\$4)	444
Γ	L8	L7 and (plug or socket\$4 or connect\$4)	444
Г	L7	L6 and ((feed\$3 or fed or suppl\$4 or input\$4 or in-put\$4 or insert\$4) with (cable or channel\$3 or "line"))	448
Г	L6	L5 and (sample or tissue or subject or object or patient or substance or target or specim\$2)	992
	L5	L4 and (solenoid\$4 or saddle)	1005
Γ	L4	L3 and (convey\$4 or ((production or assembly) with (belt or "line")))	9645
С	L3	L2 and (feed\$3 or fed or suppl\$4 or input\$4 or in-put\$4 or insert\$4 or cable or channel\$3 or "line")	57335
Г	L2	L1 and (probe or coil or antenna or winding)	68633
Γ.	L1	((magnetic adj resonan\$2) or MRI or NMR)	249862

END OF SEARCH HISTORY

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

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Search Results - Record(s) 1 through 15 of 15 returned.

1. Document ID: US 20070016003 A1

L75: Entry 1 of 15

File: PGPB

Jan 18, 2007.

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20070016003

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070016003 A1

TITLE: Open architecture imaging apparatus and $\underline{\text{coil}}$ system for $\underline{\text{magnetic resonance}}$

imaging

PUBLICATION-DATE: January 18, 2007

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Piron; Cameron Anthony Toronto CA
Luginbuhl; Christopher Alexander Toronto CA
Plewes; Donald B. Toronto CA

US-CL-CURRENT: 600/415

L75: Entry 2 of 15

Full	Titl∈	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMAC	Drawe D

File: PGPB

2. Document ID: US 20060119360 A1

PGPUB-DOCUMENT-NUMBER: 20060119360

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060119360 A1

TITLE: NMR spectrometer and NMR probe

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

CITY COUNTRY NAME STATE Yamamoto; Hiroyuki Kokubunji JΡ Saitoh; Kazuo Kodaira JP JΡ Hasegawa; Haruhiro Kokubunji Ochi; Hisaaki Kodaira JΡ

Record List Display Page 2 of 8

US-CL-CURRENT: 324/318; 324/321

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawe De

7. Document ID: US 20060119359 A1

L75: Entry 3 of 15

File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060119359

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060119359 A1

TITLE: Nuclear magnetic resonance probe coil

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

NAME CITY STATE · COUNTRY

Hasegawa; Haruhiro Kokubunji JP
Ochi; Hisaaki Kodaira JP
Yamamoto; Hiroyuki Kokubunji JP
Saitoh; Kazuo Kodaira JP

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims IOMC Draws De

4. Document ID: US 20060012368 A1

L75: Entry 4 of 15 File: PGPB Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution $\underline{\mathsf{nmr}\ \mathsf{probe}}$ head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Volke; Frank St. Ingbert DE Benecke; Martin Homberg DE

US-CL-CURRENT: 324/318; 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RWC Draw De

5. Document ID: US 20050171427 A1

L75: Entry 5 of 15

File: PGPB

Aug 4, 2005

PGPUB-DOCUMENT-NUMBER: 20050171427

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050171427 A1

TITLE: Endoscopic examining apparatus particularly useful in \underline{MRI} , a probe useful in such apparatus, and a method of making such \underline{probe}

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nevo, Erez Natanya IL Roth, Abraham Kfar Hassidim IL

US-CL-CURRENT: 600/424; 600/1.17

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw. De

6. Document ID: US 20050098718 A1

L75: Entry 6 of 15 File: PGPB May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050098718

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050098718 A1

TITLE: Apparatus and method for ion cyclotron resonance mass spectrometry

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

O'Connor, Peter B Hyde Park MA US

US-CL-CURRENT: 250/286

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

7. Document ID: US 20030187347 A1

L75: Entry 7 of 15 File: PGPB Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187347

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030187347 A1

TITLE: Endoscopic examining apparatus particularly useful in MRI, a probe useful in

Record List Display

Page 4 of 8

such apparatus, and a method of making such probe

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

Nevo, Erez

NAME CITY

Natanya IL

STATE

Roth, Abraham Kfar Hassidim IL

US-CL-CURRENT: 600/424

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

■ 8. Document ID: US 20030127592 A1

L75: Entry 8 of 15

File: PGPB Jul 10, 2003

COUNTRY

PGPUB-DOCUMENT-NUMBER: 20030127592

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030127592 A1

TITLE: Apparatus and method for ion cyclotron resonance mass spectrometry

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

O'Connor, Peter B. Hyde Park MA US

US-CL-CURRENT: 250/291

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

9. Document ID: US 7164269 B2

L75: Entry 9 of 15 File: USPT

Jan 16, 2007

US-PAT-NO: 7164269

DOCUMENT-IDENTIFIER: US 7164269 B2

TITLE: Nuclear <u>magnetic resonance probe coil</u>

DATE-ISSUED: January 16, 2007

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060119359 A1 June 8, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Record List Display

Page 5 of 8

Hasegawa; Haruhiro Kokubunji JP
Ochi; Hisaaki Kodaira JP
Yamamoto; Hiroyuki Kokubunji JP
Saitoh; Kazuo Kodaira JP

US-CL-CURRENT: 324/318; 324/322

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	 	 	7.19		
			*		

10. Document ID: US 7138801 B2

L75: Entry 10 of 15

File: USPT

Nov 21, 2006

US-PAT-NO: 7138801

DOCUMENT-IDENTIFIER: US 7138801 B2

TITLE: NMR spectrometer and NMR probe

DATE-ISSUED: November 21, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060119360 A1 June 8, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Yamamoto; Hiroyuki Kokubunji JΡ Saitoh; Kazuo Kodaira JΡ Hasegawa; Haruhiro Kokubunji JP Ochi; Hisaaki Kodaira JP

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawe D
								,		
	11.	Docum	ent ID): US 6	720555 B2		· .			
ر ₄ 75:	Entr	y 11 of	15				File: USPT	Apr	13,	2004

US-PAT-NO: 6720555

DOCUMENT-IDENTIFIER: US 6720555 B2

TITLE: Apparatus and method for ion cyclotron resonance mass spectrometry

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

O'Connor; Peter B. Hyde Park MA

Record List Display Page 6 of 8

US-CL-CURRENT: 250/291

Full Title Citation Front Review Classification Date Reference

12. Document ID: US 6329139 B1

L75: Entry 12 of 15

File: USPT

Dec 11, 2001

US-PAT-NO: 6329139

DOCUMENT-IDENTIFIER: US 6329139 B1

TITLE: Automated sorting system for matrices with memory

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Nova; Michael P. Rancho Santa Fe CA
Lillig; John E. Alamo CA
Karunaratne; Kanchana Sanjaya Gunesekera San Diego CA
Ewing; William Sandous CA
Satoda; Yozo San Diego CA
Potash; Hanan Austin TX

US-CL-CURRENT: 435/6; 209/597, 209/604, 702/19, 702/20

Full Title Citation Front Review Classification Date Reference

T 13. Document ID: US 6136274 A

L75: Entry 13 of 15

File: USPT

Oct 24, 2000

US-PAT-NO: 6136274

DOCUMENT-IDENTIFIER: US 6136274 A

TITLE: Matrices with memories in automated drug discovery and units therefor

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Nova; Michael P. Rancho Santa Fe CA

Lillig; John E. Poway CA
Karunaratne; Kanchana Sanjaya Gunesekera San Diego CA
O'Neil; Donald San Diego CA
Ewing; William San Diego CA
Satoda; Yozo San Diego CA

US-CL-CURRENT: 422/102; 422/101, 422/104, 435/288.4, 435/288.5, 435/297.1,

Record List Display Page 7 of 8

435/303.1, 435/305.2

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De

14. Document ID: US 3564400 A

L75: Entry 14 of 15

File: USOC

Feb 16, 1971

US-PAT-NO: 3564400

DOCUMENT-IDENTIFIER: US 3564400 A

TITLE: NUCLEAR MAGNETIC RESONANCE FLOWMETER EMPLOYING CERAMIC TUBE

DATE-ISSUED: February 16, 1971

INVENTOR-NAME: HEYDEN WILLIAM H VANDER; PIKE RONALD L ; TOSCHIK JOHN F

US-CL-CURRENT: <u>324/306</u>

Full Title Citation Front Review Classification Date Reference Company of Claims RMIC Draws De

15. Document ID: US 2973471 A

L75: Entry 15 of 15

File: USOC

Feb 28, 1961

US-PAT-NO: 2973471

DOCUMENT-IDENTIFIER: US 2973471 A

TITLE: Analysis techniques based on nuclear magnetic resonance

DATE-ISSUED: February 28, 1961

INVENTOR-NAME: ARMISTEAD FONTAINE C; TIRICO ARTHUR L

US-CL-CURRENT: 324/303, 175/393, 175/404, 175/405.1, 175/50, 73/152.03, 73/152.11

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De Print **Fwd Refs Bkwd Refs** Generate Collection Generate OACS Clear Term Documents SADDLE 74647 SADDLES 14752 1335416 COIL 442907 COILS 734474 WINDING

•	
WINDINGS	248216
PROBE	404073
PROBES	190023
ANTENNA	405744
ANTENNAS	97763
TRANSVERSE	1304002
(L74 AND (((SOLENOID\$4 OR SADDLE) WITH (COIL OR WINDING OR PROBE OR ANTENNA)) SAME (PERPENDICULAR\$3 OR TRANSVERSE OR ORTHOGONAL\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15
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Search Results - Record(s) 1 through 9 of 9 returned.

1. Document ID: US 20060119360 A1

L76: Entry 1 of 9

File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060119360

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060119360 A1

TITLE: NMR spectrometer and NMR probe

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

STATE COUNTRY NAMÈ CITY Kokubunji JP Yamamoto; Hiroyuki Saitoh; Kazuo Kodaira JP Kokubunji JP Hasegawa; Haruhiro Ochi; Hisaaki Kodaira JΡ

US-CL-CURRENT: 324/318; 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Drawi D

C 2. Document ID: US 20060119359 A1

L76: Entry 2 of 9

File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060119359

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060119359 A1

TITLE: Nuclear magnetic resonance probe coil

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME JΡ Hasegawa; Haruhiro Kokubunji Kodaira JΡ Ochi; Hisaaki Yamamoto; Hiroyuki Kokubunji JΡ Kodaira Saitoh; Kazuo JP

US-CL-CURRENT: 324/318

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMC | Draw De

☐ 3. Document ID: US 20060012368 A1

L76: Entry 3 of 9

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Volke; Frank

St. Ingbert

DE

Benecke; Martin

Homberg

DE

US-CL-CURRENT: 324/318; 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IOMC	Drave Dr

4. Document ID: US 7164269 B2

L76: Entry 4 of 9

File: USPT

Jan 16, 2007

US-PAT-NO: 7164269

DOCUMENT-IDENTIFIER: US 7164269 B2

TITLE: Nuclear magnetic resonance probe coil

DATE-ISSUED: January 16, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060119359 A1.

June 8, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hasegawa; Haruhiro Kokubunji JP
Ochi; Hisaaki Kodaira JP
Yamamoto; Hiroyuki Kokubunji JP
Saitoh; Kazuo Kodaira JP

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference

5. Document ID: US 7138801 B2

L76: Entry 5 of 9

File: USPT

Nov 21, 2006

US-PAT-NO: 7138801

DOCUMENT-IDENTIFIER: US 7138801 B2

TITLE: NMR spectrometer and NMR probe

DATE-ISSUED: November 21, 2006

PRIOR-PUBLICATION: '

DOC-ID

DATE

US 20060119360 A1

June 8, 2006

INVENTOR-INFORMATION:

CITY ZIP CODE COUNTRY NAME STATE Yamamoto; Hiroyuki Kokubunji JP JΡ Saitoh; Kazuo Kodaira . JΡ Hasegawa; Haruhiro Kokubunji Kodaira JP Ochi; Hisaaki

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference

☐ 6. Document ID: US 6329139 B1

L76: Entry 6 of 9

File: USPT

Dec 11, 2001

US-PAT-NO: 6329139

DOCUMENT-IDENTIFIER: US 6329139 B1

TITLE: Automated sorting system for matrices with memory

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME · CITY STATE ZIP CODE COUNTRY

Nova; Michael P. Rancho Santa Fe CA
Lillig; John E. Alamo CA
Karunaratne; Kanchana Sanjaya Gunesekera San Diego CA
Ewing; William Sanjaya Gunesekera San Diego CA
Satoda; Yozo San Diego CA

Potash; Hanan Austin TX

US-CL-CURRENT: 435/6; 209/597, 209/604, 702/19, 702/20

Full | Title | Citation | Front | Review | Classification | Date | Reference | Classification | Classification | Draw De

7. Document ID: US 6136274 A

L76: Entry 7 of 9

File: USPT

Oct 24, 2000

US-PAT-NO: 6136274

DOCUMENT-IDENTIFIER: US 6136274 A

TITLE: Matrices with memories in automated drug discovery and units therefor

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY CITY NAME Nova; Michael P. Rancho Santa Fe CA Lillig; John E. CA Poway Karunaratne; Kanchana Sanjaya Gunesekera San Diego CA O'Neil; Donald San Diego CA Ewing; William San Diego CA Satoda; Yozo San Diego CA

US-CL-CURRENT: <u>422/102</u>; <u>422/101</u>, <u>422/104</u>, <u>435/288.4</u>, <u>435/288.5</u>, <u>435/297.1</u>, 435/303.1, 435/305.2

Full Title Citation Front Review Classification Date Reference Citation Claims RMC Draw De

8. Document ID: US 3564400 A

L76: Entry 8 of 9

File: USOC

Feb 16, 1971

US-PAT-NO: 3564400

DOCUMENT-IDENTIFIER: US 3564400 A

TITLE: NUCLEAR MAGNETIC RESONANCE FLOWMETER EMPLOYING CERAMIC TUBE

DATE-ISSUED: February 16, 1971

INVENTOR-NAME: HEYDEN WILLIAM H VANDER; PIKE RONALD L ; TOSCHIK JOHN F

US-CL-CURRENT: 324/306

Full Title Citation Front Review Classification Date Reference Claims RMC Draw De

☐ 9. Document ID: US 2973471 A

L76: Entry 9 of 9

File: USOC

Feb 28, 1961

US-PAT-NO: 2973471

DOCUMENT-IDENTIFIER: US 2973471 A

TITLE: Analysis techniques based on nuclear magnetic resonance

DATE-ISSUED: February 28, 1961

INVENTOR-NAME: ARMISTEAD FONTAINE C; TIRICO ARTHUR L

US-CL-CURRENT: 324/303, 175/393, 175/404, 175/405.1, 175/50, 73/152.03, 73/152.11

Generate Collection Print Fwd Refs Bkwd	Refs Generate
Term	Documents
SADDLE	74647
SADDLES	14752
FED .	1634209
FEDS	2403
CABLE	1018377
CABLES	366413
LINE	5766757
LINES	2842675
SOLENOID\$4	
SOLENOID	362126
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Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 20060119359 A1

L77: Entry 1 of 6 File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060119359

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060119359 A1

TITLE: Nuclear magnetic resonance probe coil

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME JΡ Kokubunji Hasegawa; Haruhiro Ochi; Hisaaki Kodaira JP JΡ Kokubunji Yamamoto; Hiroyuki Kodaira JP Saitoh; Kazuo

US-CL-CURRENT: 324/318

L77: Entry 2 of 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	ROMO	Drawe D

C 2. Document ID: US 20060012368 A1

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Volke; Frank St. Ingbert DE

Benecke; Martin Homberg DE

US-CL-CURRENT: 324/318; 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

☐ 3. Document ID: US 7164269 B2

L77: Entry 3 of 6

File: USPT

Jan 16, 2007

US-PAT-NO: 7164269

DOCUMENT-IDENTIFIER: US 7164269 B2

TITLE: Nuclear magnetic resonance probe coil

DATE-ISSUED: January 16, 2007

PRIOR-PUBLICATION:

DOC-ID

US 20060119359 A1 June 8, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Hasegawa; Haruhiro Kokubunji JΡ Ochi; Hisaaki Kodaira JP JΡ Yamamoto; Hiroyuki Kokubunji Saitoh; Kazuo Kodaira JP

DATE

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	47.46	130	Claims	KOTC	Drave De
200				7-0-7-5								

☐ 4. Document ID: US 6329139 B1

L77: Entry 4 of 6

File: USPT

Dec 11, 2001

US-PAT-NO: 6329139

DOCUMENT-IDENTIFIER: US 6329139 B1

TITLE: Automated sorting system for matrices with memory

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Nova; Michael P. Rancho Santa Fe CA
Lillig; John E. Alamo CA
Karunaratne; Kanchana Sanjaya Gunesekera San Diego CA
Ewing; William San Diego CA
Satoda; Yozo San Diego CA
Potash; Hanan Austin TX

Oct 24, 2000

Feb 28, 1961

US-CL-CURRENT: 435/6; 209/597, 209/604, 702/19, 702/20

Full Title Citation Front Review Classification Date Reference Claims RMC Draw De Claims NMC De Cla

File: USPT

US-PAT-NO: 6136274

L77: Entry 5 of 6

DOCUMENT-IDENTIFIER: US 6136274 A

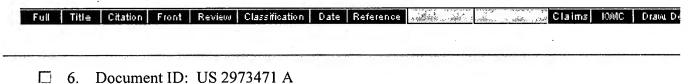
TITLE: Matrices with memories in automated drug discovery and units therefor

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Nova; Michael P. Rancho Santa Fe CA Lillig; John E. Poway CA. CA Karunaratne; Kanchana Sanjaya Gunesekera San Diego O'Neil; Donald San Diego CA Ewing; William San Diego CA Satoda; Yozo San Diego CA

US-CL-CURRENT: <u>422/102</u>; <u>422/101</u>, <u>422/104</u>, <u>435/288.4</u>, <u>435/288.5</u>, <u>435/297.1</u>, <u>435/303.1</u>, <u>435/305.2</u>



File: USOC

L77: Entry 6 of 6

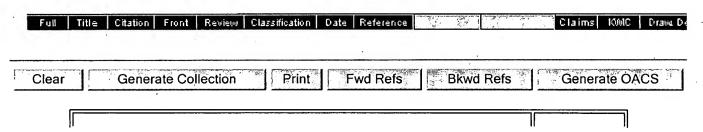
US-PAT-NO: 2973471 DOCUMENT-IDENTIFIER: US 2973471 A

TITLE: Analysis techniques based on nuclear magnetic resonance

DATE-ISSUED: February 28, 1961

INVENTOR-NAME: ARMISTEAD FONTAINE C; TIRICO ARTHUR L

US-CL-CURRENT: 324/303, 175/393, 175/404, 175/405.1, 175/50, 73/152.03, 73/152.11



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TRANSPORTATION	275177
TRANSPORTATIONS	• 539
MOVING	2605119
MOVINGS	111
MOVED	2549049
MOVEDS	7
MOVABLE	1891795
MOVABLES	84
MOVE	2774991
MOVES	1674528
BRINGING	391929
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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20060012368 A1

L78: Entry 1 of 1

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Volke; Frank

St. Ingbert

DE

Benecke; Martin

Homberg

DE

US-CL-CURRENT: <u>324/318</u>; <u>324/321</u>

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Term	Documents
SADDLE	74647
SADDLES	14752
FED	1634209
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CABLE	1018377
CABLES	366413
LINE	5766757
LINES	2842675
TRANSPORTATION	275177
TRANSPORTATIONS	539
MOVING	2605119

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There are more results than shown above. Click here to view the entire set.

Display Format: - Change Format

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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 20070016003 A1

L79: Entry 1 of 6

File: PGPB

Jan 18, 2007

PGPUB-DOCUMENT-NUMBER: 20070016003

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070016003 A1

TITLE: Open architecture imaging apparatus and coil system for magnetic resonance

imaging

PUBLICATION-DATE: January 18, 2007

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY
Piron; Cameron Anthony Toronto CA
Luginbuhl; Christopher Alexander Toronto CA
Plewes; Donald B. Toronto CA

US-CL-CURRENT: 600/415

Full Ti	tle Citati	on Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K004C	Drawe D

☐ 2. Document ID: US 20060012368 A1

L79: Entry 2 of 6

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Volke; Frank St. Ingbert DE Benecke; Martin Homberg DE

US-CL-CURRENT: <u>324/318</u>; <u>324/321</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

3. Document ID: US 20050171427 A1

L79: Entry 3 of 6

File: PGPB

Aug 4, 2005

PGPUB-DOCUMENT-NUMBER: 20050171427

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050171427 A1

TITLE: Endoscopic examining apparatus particularly useful in \underline{MRI} , a probe useful in such apparatus, and a method of making such probe

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nevo, Erez Natanya IL Roth, Abraham Kfar Hassidim IL

US-CL-CURRENT: 600/424; 600/117

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

4. Document ID: US 20030187347 A1

L79: Entry 4 of 6 File: PGPB Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187347

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030187347 A1

TITLE: Endoscopic examining apparatus particularly useful in MRI, a probe useful in

such apparatus, and a method of making such probe

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nevo, Erez Natanya IL Roth, Abraham Kfar Hassidim IL

US-CL-CURRENT: 600/424

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw. De

5. Document ID: US 6329139 B1

L79: Entry 5 of 6 File: USPT Dec 11, 2001

Record List Display Page 3 of 4

US-PAT-NO: 6329139

DOCUMENT-IDENTIFIER: US 6329139 B1

TITLE: Automated sorting system for matrices with memory

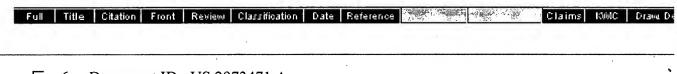
DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Nova; Michael P. Rancho Santa Fe CA Lillig; John E. Alamo CA Karunaratne; Kanchana Sanjaya Gunesekera San Diego CA Ewing; William San Diego CA Satoda; Yozo San Diego CA Potash; Hanan Austin ΤX

US-CL-CURRENT: 435/6; 209/597, 209/604, 702/19, 702/20



☐ 6. Document ID: US 2973471 A

L79: Entry 6 of 6 File: USOC Feb 28, 1961

US-PAT-NO: 2973471

DOCUMENT-IDENTIFIER: US 2973471 A

TITLE: Analysis techniques based on nuclear magnetic resonance

DATE-ISSUED: February 28, 1961

INVENTOR-NAME: ARMISTEAD FONTAINE C; TIRICO ARTHUR L

US-CL-CURRENT: 324/303, 175/393, 175/404, 175/405.1, 175/50, 73/152.03, 73/152.11

lear	Generate Collection	Print Fwd Re	efs Bkwd Refs	Generate OAC
	: erm			Documents
Ē	PLUG			766451
Ē	PLUGS			193539
	STOPPER			255358
	STOPPERS			44610
	SOCKET\$4			0
	SOCKET			491192

SOCKETA	98
SOCKETAAND	1
SOCKETABL	1
SOCKETABLE	80
SOCKETABLI	1
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Display Format: - Change Format

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First Hit Clear **Generate Collection** Print · Fwd Refs Bkwd Refs **Generate OACS**

Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 20070016003 A1

L80: Entry 1 of 2

File: PGPB

Jan 18, 2007

PGPUB-DOCUMENT-NUMBER: 20070016003

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070016003 A1

TITLE: Open architecture imaging apparatus and coil system for magnetic resonance

imaging

PUBLICATION-DATE: January 18, 2007

INVENTOR-INFORMATION:

CITY STATE NAME COUNTRY

Piron; Cameron Anthony Toronto CA Luginbuhl; Christopher Alexander Toronto CA Plewes; Donald B. Toronto . CA

US-CL-CURRENT: 600/415

Citation Front Review Classification Date Reference Sequences Attachments Claims

2. Document ID: US 20060012368 A1

L80: Entry 2 of 2

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME

Volke; Frank St. Ingbert DE

Benecke; Martin DE Homberg

US-CL-CURRENT: <u>324/318</u>; <u>324/321</u>

Generate Collection Print Fwd Refs Bkwd Refs	General
erm	Documents
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L79 AND ((CONVEY\$4 OR TRASPORT\$4 OR RANSPORTATION OR MOVING OR MOVED OR MOVABLE R MOVE OR BRINGING OR BROUGHT OR BRING OR RIV\$4 OR INJECT\$4 OR INSERT\$4 ((PRODUCTION R ASSEMBLY) WITH (BELT OR "LINE"))) WITH SAMPLE OR TISSUE OR SUBJECT OR OBJECT OR PATIENT OR SUBSTANCE OR TARGET OR SPECIM\$2 OF OLID\$3 OR LIQUID OR GAS\$2 OR GASEOUS) WITH VOLUME OR ML"))).PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	2

			4.4	who +	5_5 ·*	٠.
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<u>Previous Page</u> <u>Next Page</u> <u>Go to Doc#</u>

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 15 of 15 returned.

1. Document ID: US 20060186886 A1

L82: Entry 1 of 15

File: PGPB

Aug 24, 2006

PGPUB-DOCUMENT-NUMBER: 20060186886

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060186886 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: August 24, 2006

INVENTOR-INFORMATION:

STATE CITY COUNTRY NAME Mito Okada; Michiya Hitachi JΡ Wakuda; Tsuyoshi JΡ Kakugawa; Shigeru Hitachi Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321; 324/318

Full Title Citation From	ont Review C	lassification Date	Reference	Sequences	Attachments	Claims	KOMC	Drawe D
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2. Document ID: US 20060012368 A1

L82: Entry 2 of 15

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Volke; Frank St. Ingbert DE Benecke; Martin Homberg DE Record List Display Page 2 of 8

US-CL-CURRENT: 324/318; 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

□ 3. Document ID: US 20050189944 A1

L82: Entry 3 of 15

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050189944

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050189944 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Okada, Michiya Mito JΡ Wakuda, Tsuyoshi Hitachi JΡ Kakugawa, Shigeru JΡ Hitachi Morita, Hiroshi Hitachi JΡ JΡ Aihara, Katsuzo Hitachiota

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

4. Document ID: US 20050122114 A1

L82: Entry 4 of 15

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050122114

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050122114 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Okada, Michiya Mito JP Wakuda, Tsuyoshi Hitachi JΡ Hitachi JP Kakugawa, Shigeru Morita, Hiroshi JP Hitachi Aihara, Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321; 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

5. Document ID: US 20030076104 A1

L82: Entry 5 of 15

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030076104

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030076104 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME Okada, Michiya Mito JΡ JΡ Wakuda, Tsuyoshi Hitachi JΡ Kakugawa, Shigeru Hitachi JΡ Morita, Hiroshi Hitachi Aihara, Katsuzo JΡ Hitachiota

US-CL-CURRENT: 324/321; 324/312, 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

☐ 6. Document ID: US 20030076103 A1

L82: Entry 6 of 15

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030076103

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030076103 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Okada, Michiya Mito JΡ Wakuda, Tsuyoshi Hitachi JP JΡ Kakugawa, Shigeru Hitachi Morita, Hiroshi Hitachi JΡ Hitachiota Aihara, Katsuzo JΡ

US-CL-CURRENT: 324/321; 324/307, 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

7. Document ID: US 7190167 B2

L82: Entry 7 of 15

File: USPT

Mar 13, 2007

US-PAT-NO: 7190167

DOCUMENT-IDENTIFIER: US 7190167 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: March 13, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060186886 A1

August 24, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY JP Okada; Michiya Mito Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ JΡ Aihara; Katsuzo Hitachiota

US-CL-CURRENT: <u>324/321</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference		laims	ROMC	Draw, De

□ 8. Document ID: US 7187173 B1

L82: Entry 8 of 15

File: USPT

Mar 6, 2007

US-PAT-NO: 7187173

DOCUMENT-IDENTIFIER: US 7187173 B1

TITLE: Multi-coil NMR probe with nonmagnetic diodes

DATE-ISSUED: March 6, 2007

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Raftery; Daniel West Lafayette INUS Santini; Robert E. West Lafayette ΙN US Macnaughtan; Megan A. Athens GΑ US

US-CL-CURRENT: 324/318; 324/319

Record List Display Page 5 of 8

☐ 9. Document ID: US 7046007 B2

L82: Entry 9 of 15

File: USPT

May 16, 2006

US-PAT-NO: 7046007

DOCUMENT-IDENTIFIER: US 7046007 B2

TITLE: Nuclear magnetic resonance spectrometer using split magnets

DATE-ISSUED: May 16, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20050122114 A1 June 9, 2005

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Okada; Michiya Mito JP Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JP Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JP

US-CL-CURRENT: 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference	4	Claims	ROMO	Drawe De

☐ 10. Document ID: US 7026817 B2

L82: Entry 10 of 15

File: USPT

Apr 11, 2006

US-PAT-NO: 7026817

DOCUMENT-IDENTIFIER: US 7026817 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: April 11, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20050189944 A1 September 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Okada; Michiya Mito JP Wakuda; Tsuyoshi Hitachi JP Kakugawa; Shigeru Hitachi JP Morita; Hiroshi Hitachi JP Aihara; Katsuzo Hitachiota JP

Record List Display Page 6 of 8

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference Section Claims RONC Draw. De

11. Document ID: US 6897657 B2

L82: Entry 11 of 15

File: USPT

May 24, 2005

US-PAT-NO: 6897657

DOCUMENT-IDENTIFIER: US 6897657 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

ZIP CODE NAME CITY STATE COUNTRY Okada; Michiya Mito JΡ JP Wakuda; Tsuyoshi Hitachi Kakugawa; Shigeru Hitachi JP Morita; Hiroshi Hitachi JΡ Hitachiota JP Aihara; Katsuzo

US-CL-CURRENT: 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drave D

12. Document ID: US 6888352 B2

L82: Entry 12 of 15

File: USPT

May 3, 2005

US-PAT-NO: 6888352

DOCUMENT-IDENTIFIER: US 6888352 B2

TITLE: Nuclear magnetic resonance spectrometer using split magnets

DATE-ISSUED: May 3, 2005

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME JΡ Okada; Michiya Mito Hitachi JΡ Wakuda; Tsuyoshi JΡ Kakugawa; Shigeru Hitachi Morita; Hiroshi Hitachi JP Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: <u>324/321</u>

13. Document ID: US 6320384 B1

L82: Entry 13 of 15

File: USPT

Nov 20, 2001

US-PAT-NO: 6320384

DOCUMENT-IDENTIFIER: US 6320384 B1

TITLE: Thermal buffering of cross-coils in high-power NMR decoupling

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Doty; David F. Columbia SC 29229-4339

Entzminger, Jr.; George Columbia SC 29223

US-CL-CURRENT: <u>324/321</u>; <u>324/322</u>



14. Document ID: US 6130537 A

L82: Entry 14 of 15 File: USPT

Oct 10, 2000

US-PAT-NO: 6130537

DOCUMENT-IDENTIFIER: US 6130537 A

TITLE: HR MAS NMR coils with magic angle capacitors

DATE-ISSUED: October 10, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Doty; F David Columbia SC

Yang; Yungan Columbia SC

US-CL-CURRENT: 324/318; 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	ROMO	Drave D

☐ 15. Document ID: US 4556848 A

L82: Entry 15 of 15 File: USPT Dec 3, 1985

US-PAT-NO: 4556848

DOCUMENT-IDENTIFIER: US 4556848 A

TITLE: Point sensitive NMR imaging system using a magnetic field configuration with a spatial minimum

DATE-ISSUED: December 3, 1985

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Eberhard; Philippe H. El Cerrito CA

US-CL-CURRENT: 324/309; 324/307

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Term	Documents
SADDLE	74647
SADDLES	14752
FED	1634209
FEDS	2403
CABLE	1018377
CABLES	366413
LINE	5766757
LINES	2842675
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Display Format: - Change Format

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Search Results - Record(s) 1 through 12 of 12 returned.

☐ 1. Document ID: US 20060186886 A1

L83: Entry 1 of 12

File: PGPB

Aug 24, 2006

PGPUB-DOCUMENT-NUMBER: 20060186886

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060186886 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: August 24, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY JP Okada; Michiya Mito Hitachi JP Wakuda; Tsuyoshi Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: <u>324/321</u>; <u>324/318</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claima	KOME	Drave D

2. Document ID: US 20060012368 A1

L83: Entry 2 of 12

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Volke; Frank St. Ingbert DE Benecke; Martin Homberg DE

Record List Display Page 2 of 7

US-CL-CURRENT: 324/318; 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1000C Draw De

7. 3. Document ID: US 20050189944 A1

L83: Entry 3 of 12

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050189944

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050189944 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME Okada, Michiya . Mito JΡ Hitachi JΡ Wakuda, Tsuyoshi. JP Kakugawa, Shigeru Hitachi Hitachi JΡ Morita, Hiroshi JP Aihara, Katsuzo Hitachiota

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

☐ 4. Document ID: US 20050122114 A1

L83: Entry 4 of 12

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050122114

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050122114 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

STATE COUNTRY NAME CITY Okada, Michiya Mito JP Wakuda, Tsuyoshi Hitachi JΡ JΡ Hitachi Kakugawa, Shigeru Hitachi JP Morita, 'Hiroshi Aihara, Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321; 324/318

Record List Display Page 3 of 7

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

5. Document ID: US 7190167 B2

L83: Entry 5 of 12

File: USPT

Mar 13, 2007

Mar 6, 2007

US-PAT-NO: 7190167

DOCUMENT-IDENTIFIER: US 7190167 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: March 13, 2007

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060186886 A1 August 24, 2006

INVENTOR-INFORMATION:

ZIP CODE COUNTRY NAME CITY STATE JΡ Okada; Michiya Mito Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JP Morita; Hiroshi JΡ Hitachi

Aihara; Katsuzo Hitachiota JP

US-CL-CURRENT: <u>324/321</u>

Full Title Citation Front Review Classification Date Reference Claims Review Claims Review De

File: USPT

☐ 6. Document ID: US 7187173 B1

L83; Entry 6 of 12

US-PAT-NO: 7187173

DOCUMENT-IDENTIFIER: US 7187173 B1

TITLE: Multi-coil NMR probe with nonmagnetic diodes

DATE-ISSUED: March 6, 2007

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Raftery; Daniel West Lafayette IN US Santini; Robert E. West Lafayette IN US

Macnaughtan; Megan A. Athens GA US

US-CL-CURRENT: 324/318; 324/319

Full Title Citation Front Review Classification Date Reference Citation Citation Claims IOMC Draw. De

7. Document ID: US 7046007 B2

L83: Entry 7 of 12

File: USPT

May 16, 2006

US-PAT-NO: 7046007

DOCUMENT-IDENTIFIER: US 7046007 B2

TITLE: Nuclear magnetic resonance spectrometer using split magnets

DATE-ISSUED: May 16, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050122114 A1

June 9, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Okada; Michiya JΡ Mito Wakuda; Tsuyoshi Hitachi JP Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JP

US-CL-CURRENT: 324/321

Full	Títl≘	Citation	Front	Review	Classification	Date	Reference		Claims	TOMO	Draws D

8. Document ID: US 7026817 B2

L83: Entry 8 of 12

File: USPT

Apr 11, 2006

US-PAT-NO: 7026817

DOCUMENT-IDENTIFIER: US 7026817 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: April 11, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050189944 A1

September 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE ·COUNTRY Okada; Michiya Mito Wakuda; Tsuyoshi Hitachi' JΡ Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ

Record List Display Page 5 of 7

Aihara; Katsuzo

Hitachiota

JP

US-CL-CURRENT: 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KMC	Drawe D

L83: Entry 9 of 12

File: USPT

May 24, 2005

US-PAT-NO: 6897657

DOCUMENT-IDENTIFIER: US 6897657 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

NAME STATE ZIP CODE COUNTRY CITY Okada; Michiya Mito JP Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi ĴΡ Hitachi Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321

	ull Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawa D
☐ 10. Document ID: US 6888352 B2		Б			000050 DO					

L83: Entry 10 of 12

File: USPT

May 3, 2005

US-PAT-NO: 6888352

DOCUMENT-IDENTIFIER: US 6888352 B2

TITLE: Nuclear magnetic resonance spectrometer using split magnets

DATE-ISSUED: May 3, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Okada; Michiya Mito JΡ Wakuda; Tsuyoshi Hitachi JP Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference 2002 Claims KMC Draw De

11. Document ID: US 6320384 B1

L83: Entry 11 of 12

File: USPT

Nov 20, 2001

US-PAT-NO: 6320384

DOCUMENT-IDENTIFIER: US 6320384 B1

TITLE: Thermal buffering of cross-coils in high-power NMR decoupling

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Doty; David F.

Columbia

SC

29229-4339

Entzminger, Jr.; George

Columbia

SC 29.

29223

US-CL-CURRENT: <u>324/321</u>; <u>324/322</u>

Full Title Citation Front Review Classification Date Reference

☐ 12. Document ID: US 6130537 A

L83: Entry 12 of 12

File: USPT

Oct 10, 2000

US-PAT-NO: 6130537

DOCUMENT-IDENTIFIER: US 6130537 A

TITLE: HR MAS NMR coils with magic angle capacitors

DATE-ISSUED: October 10, 2000

INVENTOR-INFORMATION:

NAME

CITY

STATE .

ZIP CODE

COUNTRY

Doty; F David

Columbia

SC

Yang; Yungan

Columbia

SC

US-CL-CURRENT: 324/318; 324/321

Full Title Citation Front Review Classification Date Reference

Claims KWWC Drawu De Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Term Documents

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11
14752
1335416
442907
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248216
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190023
405744
: 97763
1304002
12

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Hit List

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Generate OACS

Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 20060186886 A1

L84: Entry 1 of 11

File: PGPB

Aug 24, 2006

PGPUB-DOCUMENT-NUMBER: 20060186886

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060186886 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: August 24, 2006

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME JP Okada; Michiya Mito Wakuda; Tsuyoshi Hitachi JP JΡ Hitachi Kakugawa; Shigeru Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JP

US-CL-CURRENT: 324/321; 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Dra	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K004C	Drawe
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2. Document ID: US 20060012368 A1

L84: Entry 2 of 11

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Volke; Frank St. Ingbert DE
Benecke; Martin Homberg DE

Record List Display Page 2 of 7

US-CL-CURRENT: 324/318; 324/321

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw, De

- ☐ 3. Document ID: US 20050189944 A1

L84: Entry 3 of 11

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050189944

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050189944 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Okada, Michiya Mito JΡ Wakuda, Tsuyoshi Hitachi JΡ Kakugawa, Shigeru JΡ Hitachi Morita, Hiroshi Hitachi JΡ Aihara, Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims IOMC Draws De

4. Document ID: US 20050122114 A1

L84: Entry 4 of 11

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050122114

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050122114 A1

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Okada, Michiya Mito JΡ Wakuda, Tsuyoshi Hitachi JP Kakugawa, Shigeru Hitachi JΡ Morita, Hiroshi Hitachi JΡ Aihara, Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321; 324/318

Record List Display Page 3 of 7

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

5. Document ID: US 7190167 B2

L84: Entry 5 of 11

File: USPT

Mar 13, 2007

US-PAT-NO: 7190167

DOCUMENT-IDENTIFIER: US 7190167 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: March 13, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060186886 A1

August 24, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Okada; Michiya Mito JΡ Wakuda; Tsuyoshi Hitachi JΡ Hitachi JΡ Kakugawa; Shigeru Morita; Hiroshi Hitachi JΡ Aihara: Katsuzo · Hitachiota JΡ

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference

6. Document ID: US 7187173 B1

L84: Entry 6 of 11

File: USPT

Mar 6, 2007

US-PAT-NO: 7187173

DOCUMENT-IDENTIFIER: US 7187173 B1

TITLE: Multi-coil NMR probe with nonmagnetic diodes

DATE-ISSUED: March 6, 2007

INVENTOR-INFORMATION:

ZIP CODE COUNTRY NAME CITY ·STATE Raftery; Daniel West Lafayette US ΙN Santini; Robert E. West Lafayette US IN US Macnaughtan; Megan A. Athens GΑ

US-CL-CURRENT: 324/318; 324/319

Full Title Citation Front Review Classification Date Reference

7. Document ID: US 7046007 B2

L84: Entry 7 of 11

File: USPT

May 16, 2006

US-PAT-NO: 7046007

DOCUMENT-IDENTIFIER: US 7046007 B2

TITLE: Nuclear magnetic resonance spectrometer using split magnets

DATE-ISSUED: May 16, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050122114 A1

June 9, 2005

INVENTOR-INFORMATION:

ZIP CODE NAME CITY STATE COUNTRY Mito JΡ Okada; Michiya Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JP. Morita; Hiroshi JΡ Hitachi Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321

Full	litle	Citation	Front	Review	Classification	Date	Reference	Claims	IOMC	Drawi De

8. Document ID: US 7026817 B2

L84: Entry 8 of 11

File: USPT

Apr 11, 2006

US-PAT-NO: 7026817

DOCUMENT-IDENTIFIER: US 7026817 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: April 11, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050189944 A1

September 1, 2005

INVENTOR-INFORMATION:

NAME ZIP CODE COUNTRY CITY STATE Okada; Michiya Mito JΦ Wakuda; Tsuyoshi JΡ Hitachi Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ

Aihara; Katsuzo

Hitachiota

US-CL-CURRENT: 324/321

9. Document ID: US 6897657 B2

L84: Entry 9 of 11

File: USPT

May 24, 2005

·JP

US-PAT-NO: 6897657

DOCUMENT-IDENTIFIER: US 6897657 B2

TITLE: Nuclear magnetic resonance spectrometer for liquid-solution

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Okada; Michiya Mito JΡ Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JΡ JΡ Morita; Hiroshi Hitachi Aihara; Katsuzo Hitachiota JP

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference

10. Document ID: US 6888352 B2

L84: Entry 10 of 11

File: USPT

May 3, 2005

US-PAT-NO: 6888352

DOCUMENT-IDENTIFIER: US 6888352 B2

TITLE: Nuclear magnetic resonance spectrometer using split magnets

DATE-ISSUED: May 3, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Okada; Michiya Mito JΡ Wakuda; Tsuyoshi Hitachi JΡ Kakugawa; Shigeru Hitachi JΡ Morita; Hiroshi Hitachi JΡ Aihara; Katsuzo Hitachiota JΡ

US-CL-CURRENT: 324/321

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw. De

11. Document ID: US 6320384 B1

L84: Entry 11 of 11

File: USPT

Nov 20, 2001

COUNTRY

US-PAT-NO: 6320384

DOCUMENT-IDENTIFIER: US 6320384 B1

TITLE: Thermal buffering of cross-coils in high-power NMR decoupling

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE

Doty; David F. Columbia SC 29229-4339

Entzminger, Jr.; George Columbia SC 29223

US-CL-CURRENT: <u>324/321</u>; <u>324/322</u>

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OPEN	3643984
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OPENED ,	1391765
OPENEDS	5
GAP	1147753
GAPS	329485
SPACE	3315369
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ENTRANCE	350521
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1. Document ID: US 20060012368 A1

L85: Entry 1 of 1

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060012368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060012368 A1

TITLE: High resolution nmr probe head for small sample volumes and method for

operating the same

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Volke; Frank

St. Ingbert

DE

Benecke; Martin ·

Homberg

DE

US-CL-CURRENT: <u>324/318</u>; <u>324/321</u>

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Term	Documents
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BORES	279148
PARALLEL	3622797
PARALLELS	19701
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(L84 AND ((BORE) SAME (PARALLEL))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	. 1

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